

# REQUEST FOR ACCESS OF ABANDONED APPLICATION UNDER 37 CFR 1.14(a)<sup>3</sup>

**RECEIVED**  
JUL 18 2001  
File Information Unit

In re Application of Paper

Application Number

08/690,136

Filed

7-31-96

Group Art Unit

Examiner

Paper No. 5

Assistant Commissioner for Patents  
Washington, DC 20231

I hereby request access under 37 CFR 1.14(a)(3)(iv) to the application file record of the above-identified ABANDONED application, which is: (CHECK ONE)

- ☒ (A) referred to in United States Patent Number 6258308 column \_\_\_\_\_
- ☐ (B) referred to in an application that is open to public inspection as set forth in 37 CFR 1.11, i.e., Application No. \_\_\_\_\_ filed \_\_\_\_\_ on page \_\_\_\_\_ of paper number \_\_\_\_\_
- ☐ (C) an application that claims the benefit of the filing date of an application that is open to public inspection, i.e., Application No. \_\_\_\_\_ filed \_\_\_\_\_ or
- ☐ (D) an application in which the applicant has filed an authorization to lay open the complete application to the public.

Please direct any correspondence concerning this request to the following address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Paul Benjamin

Signature

Paul Benjamin

Typed or printed name

7-17-01

Date

FOR PTO USE ONLY

Approved by: [Signature]

(initials)

Unit: \_\_\_\_\_



J6258308B1

(12) **United States Patent**  
**Brady et al.**

(10) **Patent No.:** **US 6,258,308 B1**  
**(45) Date of Patent:** **Jul. 10, 2001**

(54) **PROCESS FOR ADJUSTING WVTR AND OTHER PROPERTIES OF A POLYOLEFIN FILM**

(75) **Inventors:** **Kevin A. Brady, Cary; John H. Mackay, Lake Zurich, both of IL (US)**

(73) **Assignee:** **Exxon Chemical Patents Inc., Baytown, TX (US)**

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** **09/312,103**

(22) **Filed:** **May 14, 1999**

#### Related U.S. Application Data

(63) Continuation-in-part of application No. 08/690,136, filed on Jul. 31, 1996.

(60) Provisional application No. 60/104,452, filed on Oct. 16, 1998, provisional application No. 60/104,455, filed on Oct. 16, 1998, provisional application No. 60/104,948, filed on Oct. 20, 1998, and provisional application No. 60/104,985, filed on Oct. 20, 1998.

(51) **Int. Cl.<sup>7</sup>** ..... **B29C 47/88; B29C 55/18**

(52) **U.S. Cl.** ..... **264/210.2; 264/288.8; 428/500**

(58) **Field of Search** ..... **264/210.2, 154, 264/288.8, DIG. 47; 156/244.18, 206; 428/156, 163, 174, 175, 181, 308.4, 315.9, 516, 500; 442/290, 398**

(56) **References Cited**

#### U.S. PATENT DOCUMENTS

Re. 28,606	11/1975	Ikeda et al.	428/155
Re. 28,608	11/1975	Dixon	29/211 R
2,896,626	7/1959	Voigtman	128/287
3,233,029	2/1966	Rasmussen	264/288
3,299,174	1/1967	Kuhre et al.	260/876
3,378,512	4/1968	Hamed et al.	260/33.6

(List continued on next page.)

#### FOREIGN PATENT DOCUMENTS

577644	9/1988	(AU)
621048	4/1989	(AU)
1296225	2/1992	(CA)
1311181	12/1992	(CA)
1322082	9/1993	(CA)
2144737	3/1994	(CA)

(List continued on next page.)

#### OTHER PUBLICATIONS

Karen K. Leonas "Evaluation of five nonwoven surgical gowns as barriers to liquid strikethrough and bacterial transmission" *INDA Journal* vol. 5, No. 2, pp. 22-26.

Van A. Wente "Superfine Thermoplastic Fibers" *Industrial Engineering Chemistry*, Aug., 1956, vol. 48, No. 8, pp. 1342-1346.

Database WPI, Section Ch, Derwent Pub. Ltd., London, GB; Class A17, AN 74-00806V, XP002043546 & JP 48 060774 A (Sekisui Chem Co Ltd) see abstract.

Database WPI, Section Ch, Week 8948, Derwent Pub. Ltd., London, GB; Class A18, AN 89-353803, XP002043547 & JP 01 266 150 A (Showa Electric Wire Co Ltd) see abstract.

*Primary Examiner*—Jan H. Silbaugh

*Assistant Examiner*—Mark Eashoo

(74) *Attorney, Agent, or Firm*—Thomason, Moser & Patterson, L.L.P.

(57) **ABSTRACT**

A process for rendering films, film composites, and articles made therefrom less resistant to passage of water vapor by passing a filled precursor film or film composite through the nip of interdigitating grooved rollers. The films or film composites are generally formed using a precursor film of a film forming polyolefin or polyolefin blend, with a relatively high filler loading and optionally an elastomer. A process is disclosed for making diapers or other disposable items where a relatively high water vapor is coupled with a resistance to liquid strikethrough. In one embodiment of the invention, the interdigitating grooved rollers are maintained in a temperature range of from about 91° F. to about 159° F.

**18 Claims, 2 Drawing Sheets**

